

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30472

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C30B 1/10; H01L 21/283, 23/48

US CL : 156/ 603, 610; 257/758, 751, 757, 759, 768; 438/655, 674, 678, 682

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 156/ 603, 610; 257/758, 751, 757, 759, 768; 438/655, 674, 678, 682

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,047,111 A (ISHIZAKA et al) 10 September 1991 (10.09.1991), column 1, lines 60-63, column 2, lines 39-51, column 3, lines 6-7, lines 43-45.	1-46
Y	US 6,255,731 B1 (OHMI et al) 03 July 2001 (03.07.2001), column 4, lines 53-65.	1-46
Y	US 6,015,752 A (XIANG et al) 18 January 2000 (18.01.2000), column 2, lines 50-57, lines 63-65, column 4, lines 56-67, column 5, lines 1-3, 10-13.	1-46
Y	US 6,602,754 B1 (KLUTH et al) 05 August 2003 (05.08.2003), column 1, lines 54-60, column 4, lines 9-14, lines 25-28.	1-46
A	US 6,642,073 B1 (ZHANG et al) 04 November 2003 (04.11.2003), column 2, lines 40-45, column 3, lines 5-11, lines 32-39, column 5, lines 18-25.	

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,783,468 A (ZHANG et al) 21 July 1998 (21.07.1998), column 2, lines 39-44, column 3, lines 4-10, lines 31-35, lines 54-67.	



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